



## Synthesis and Assessment Product 4.3 (SAP 4.3): The effect of climate change on agriculture, land resources, water resources and biodiversity in the United States

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### Abstract:

This document is a part of the Synthesis and Assessment Products described in the U.S. Climate Change Science Program Strategic Plan. The report describes how climate affects the design, construction, safety, operations, and maintenance of transportation infrastructure and systems. The prospect of a changing climate raises critical questions regarding how alterations in temperature, precipitation, storm events, and other aspects of the climate could affect the nation's roads, airports, rail, transit systems, pipelines, ports, and waterways. Phase I of this regional assessment of climate change and its potential impacts on transportation systems addresses these questions for the region of the U.S. central Gulf Coast between Galveston, Texas and Mobile, Alabama.

**Source:** [http://www.sap43.ucar.edu/documents/SAP\\_4.3\\_6.18.pdf](http://www.sap43.ucar.edu/documents/SAP_4.3_6.18.pdf)

### Resource Description

#### Communication: ☒

resource focus on research or methods on how to communicate or frame issues on climate change; surveys of attitudes, knowledge, beliefs about climate change

A focus of content

#### Communication Audience: ☒

audience to whom the resource is directed

Policymaker

#### Early Warning System: ☒

resource focus on systems used to warn populations of high temperatures, extreme weather, or other elements of climate change to prevent harm to health

A focus of content

#### Exposure : ☒

## Climate Change and Human Health Literature Portal

weather or climate related pathway by which climate change affects health

Ecosystem Changes, Food/Water Security, Food/Water Security

**Food/Water Security:** Agricultural Productivity

**Geographic Feature:** ☒

resource focuses on specific type of geography

None or Unspecified

**Geographic Location:** ☒

resource focuses on specific location

United States

**Health Impact:** ☒

specification of health effect or disease related to climate change exposure

Health Outcome Unspecified

**Mitigation/Adaptation:** ☒

mitigation or adaptation strategy is a focus of resource

Adaptation

**Resource Type:** ☒

format or standard characteristic of resource

Policy/Opinion, Review

**Timescale:** ☒

time period studied

Time Scale Unspecified